

ABSTRACT OF THE DISCLOSURE

The present invention provides a polymer blend comprising a general composition including a rare earth element, an elements of Group VI<sub>A</sub> an elements of Group V<sub>A</sub> a first fully halogenated organic group a second fully halogenated organic group, and one of a perfluoropolymer, a flouoropolymer, and an optical polymer. Methods of forming the polymer blend are also disclosed.

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